

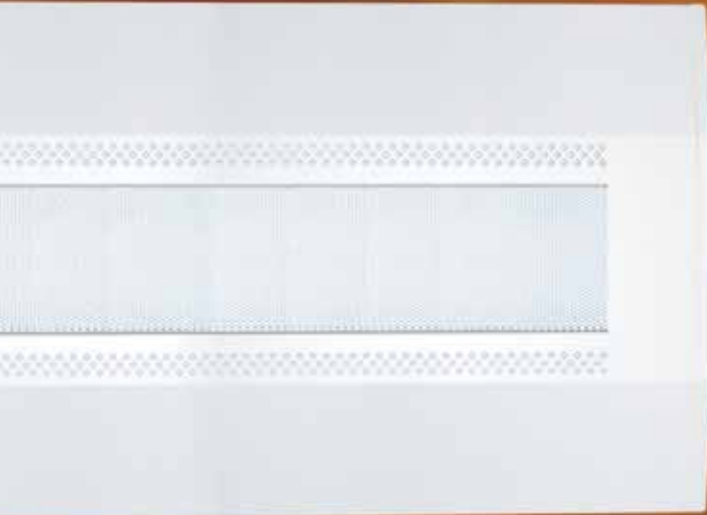
<nevis> & <nevis> PLUS LISO

INTRIGUING SHAPE, VERSATILE OPTICS



ALERA
LIGHTING

P l e a s i n g A e s t h e t i c s



< nevis > PLUS LISO

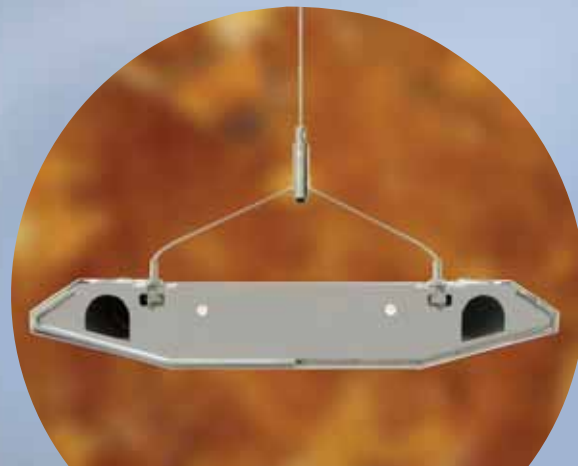
Low Ceiling Heights

Low ceiling heights no longer preclude the use of attractive architectural fluorescent lighting. Nevis Plus Liso incorporates a revolutionary light delivery system to spread light evenly above the luminaire, minimizing “hot spots” of light when mounted close to the ceiling. By providing a choice of either T8 or T5/T5HO lamp and ballast technology, the Liso system will adhere to any project’s standard lamp specification. Nevis and Nevis Plus Liso allow a consistent aesthetic to be carried throughout a facility even when ceiling heights and performance requirements vary.

N Nevis is a unique new shape with planes, angles, and flowing lines that taper exquisitely into a appealing narrow edge. This intriguing design adds visual interest to offices, schools, universities, and health care facilities. Combining style with function, Nevis uses both direct and indirect lighting to increase visual comfort and create a refreshing, modern ambience.

Structural Excellence

Nevis and Nevis Plus Liso are engineered and manufactured for maximum strength, smooth installation, and structural excellence. Alera’s patented die cast inner joiners (patent #6,796,676 B2) assure straight rows. Tongue and groove connections prevent light leak. Simple plug and play wiring facilitates effortless installation. Easily adjustable cable yoke hangers maintain a low and pleasing profile to augment the slender 2” housing depth.

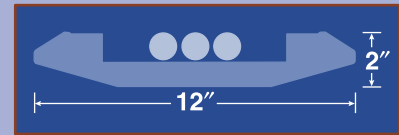
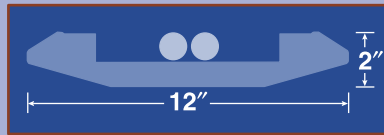
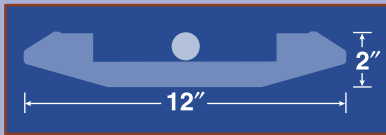
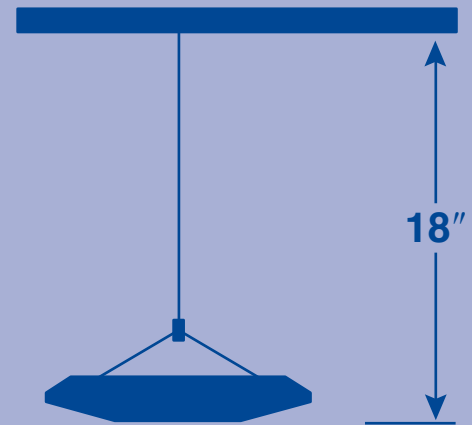


W i d e S e l e c t i o n

Superior Value

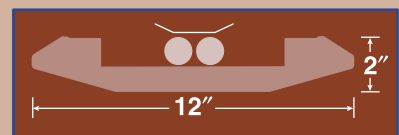
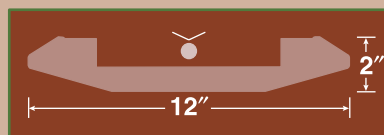
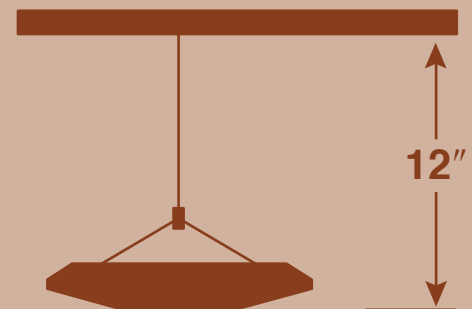
<nevis>

- 18" suspension from ceiling plane to bottom of housing
- Direct/Indirect light distribution
- One, two, or three T8, T5, or T5HO lamps in cross section
- Solid or perforated housing
- Multiple shielding options
- Attractive, low profile cable mounting



<nevis> PLUS LISO

- 12" suspension from ceiling plane to bottom of housing
- Ceilings as low as 8 - 8½ feet
- High ceiling areas where close-to-ceiling mounting is desired
- Direct/Indirect light distribution
- Two T8 lamps or one T5 or T5HO lamp
- Solid or perforated housing
- Multiple shielding options
- Attractive, low profile cable mounting



High Performance

Aesthetic Selections



Nevis and Nevis Plus Liso provide a wide range of aesthetic selections. The variety of housing, lamp, performance, and shielding options totals over 300 choices. This unparalleled versatility allows the desired aesthetic to be subtly varied within a theme or carried throughout an installation where performance requirements and ceiling heights fluctuate.

Solid Housing Shielding Options

The Solid Housing (standard) accentuates the planes and angles of Nevis and Nevis Plus Liso. The Solid Housing creates a clean aesthetic which can be highlighted with a variety of shielding options, as shown in these examples.

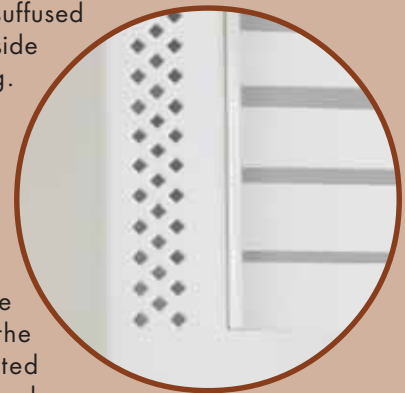


White Cross Baffle (WCB)

Diamond Perforated Strip Housing (DPST) Shielding Options

The Diamond Perforated Strip Housing (DPST) accentuates the angular Nevis form and provides a subtle glow of suffused light along each side of the shielding.

In addition, a round perforation (PFST), horizontal slots (HSLT), vertical slots (VSLT), or custom patterns (CLD) may be used in place of the Diamond Perforated strip for standard Nevis products.



White Cross Baffle (WCB)

P l e a s i n g A e s t h e t i c s



Opal Acrylic (OA)



Regressed Perforated (RPF)



Flat Perforated (FPF)



Opal Acrylic (OA)



Regressed Perforated (RPF)



Flat Perforated (FPF)

S u p e r i o r V a l u e

Performance Comparisons

Point-by-Point Results

These charts provide apples-to-apples comparisons between Nevis and Nevis Plus Liso. Nevis fixtures are mounted on a 9' ceiling, suspended 18" from the ceiling plane to the bottom of the housing. Nevis Plus Liso fixtures are mounted on 8' and 8½' ceilings, suspended 12" from the ceiling plane to the bottom of the housing.

Private Office

Office Size: 12' x 12'
 Fixture Spacing: 6' OC
 # of Fixtures in Office:
 (2) 4' luminaires

Footcandle information is based on entire room. Ceiling uniformity values are taken from the area indicated.



NVS/NPLS T5HO WCB

Lamps & Shielding	Product	Photometric Test #	Ceiling Height	Suspension	Avg FC @ 30"	Max/Min @ 30"	Ceiling Uniformity
(1) T5HO WCB	NEVIS	14129	9'	18"	30	2:1	7:1
	NEVIS PLUS LISO	14109	8½'	12"	30	3:1	9:1
	NEVIS PLUS LISO	14109	8'	12"	32	3:1	9:1
(2) T5HO WCB	NEVIS	14130	9'	18"	60	2:1	8:1

NVS/NPLS T8 WCB

Lamps & Shielding	Product	Photometric Test #	Ceiling Height	Suspension	Avg FC @ 30"	Max/Min @ 30"	Ceiling Uniformity
(2) T8 WCB	NEVIS	14127	9'	18"	38	3:1	9:1
	NEVIS PLUS LISO	14099	8½'	12"	30	3:1	10:1
	NEVIS PLUS LISO	14099	8'	12"	32	3:1	10:1
(2) T8 WCB 1.18 BF Bal	NEVIS	14127*	9'	18"	51	3:1	9:1
	NEVIS PLUS LISO	14099*	8½'	12"	40	3:1	10:1
	NEVIS PLUS LISO	14099*	8'	12"	43	3:1	10:1
(3) T8 WCB	NEVIS	14128	9'	18"	55	3:1	10:1

NVS/NPLS T5HO RPF

Lamps & Shielding	Product	Photometric Test #	Ceiling Height	Suspension	Avg FC @ 30"	Max/Min @ 30"	Ceiling Uniformity
(1) T5HO RPF	NEVIS	14134	9'	18"	28	2:1	8:1
	NEVIS PLUS LISO	14107	8½'	12"	29	2:1	9:1
	NEVIS PLUS LISO	14107	8'	12"	30	3:1	9:1
(2) T5HO RPF	NEVIS	14135	9'	18"	59	2:1	8:1

NVS/NPLS T8 RPF

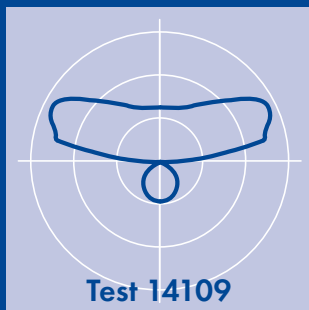
Lamps & Shielding	Product	Photometric Test #	Ceiling Height	Suspension	Avg FC @ 30"	Max/Min @ 30"	Ceiling Uniformity
(2) T8 RPF	NEVIS	14132	9'	18"	35	2:1	9:1
	NEVIS PLUS LISO	14112	8½'	12"	27	2:1	11:1
	NEVIS PLUS LISO	14112	8'	12"	29	3:1	11:1
(2) T8 RPF 1.18 BF Bal	NEVIS	14132*	9'	18"	46	2:1	9:1
	NEVIS PLUS LISO	14112*	8½'	12"	36	2:1	11:1
	NEVIS PLUS LISO	14112*	8'	12"	38	3:1	11:1
(3) T8 RPF	NEVIS	14133	9'	18"	50	2:1	11:1

*Base files for IES photometric data; manual adjustment of ballast factor in lighting calculation software is required.

Suspension length is measured from ceiling plane to the bottom of the housing. Reflectance: 80/50/20 Depreciation: T5HO .93, T8 .84, High Light 1.12

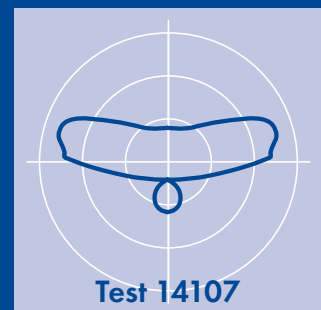
What to look for in low ceiling or close-to-ceiling photometry:

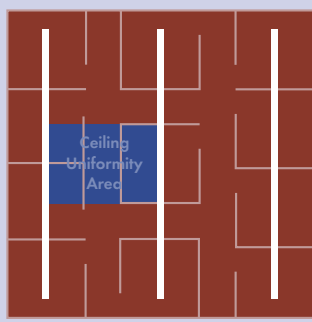
NPLS - (1) T5HO - WCB



- Low, wide, open "V" shape
- Peaks at 115°
- Smooth, gradual descent to center
- Facilitates 12' OC placement in large open spaces
- T5HO lamp and ballast technology
- Maximum performance

NPLS - (1) T5HO - RPF





Open Office Area With Cubicles

Office Size: 32' x 32'

Fixture Spacing: 12' OC

of Fixtures in Office: (3) 28' rows

Footcandle information is based on quadrant. Ceiling uniformity values are taken from the area indicated.

NVS/NPLS T5HO WCB

Lamps & Shielding	Product	Photometric Test #	Ceiling Height	Suspension	Avg FC @ 30"	Max/Min @ 30"	Ceiling Uniformity
(1) T5HO WCB	NEVIS	14129	9'	18"	48	3:1	7:1
	NEVIS PLUS LISO	14109	8½'	12"	45	4:1	8:1
	NEVIS PLUS LISO	14109	8'	12"	46	4:1	9:1

NVS/NPLS T8 WCB

Lamps & Shielding	Product	Photometric Test #	Ceiling Height	Suspension	Avg FC @ 30"	Max/Min @ 30"	Ceiling Uniformity
(2) T8 WCB	NEVIS	14127	9'	18"	59	4:1	10:1
	NEVIS PLUS LISO	14099	8½'	12"	45	4:1	11:1
	NEVIS PLUS LISO	14099	8'	12"	46	5:1	12:1

WCB

NVS/NPLS T5HO RPF

Lamps & Shielding	Product	Photometric Test #	Ceiling Height	Suspension	Avg FC @ 30"	Max/Min @ 30"	Ceiling Uniformity
(1) T5HO RPF	NEVIS	14134	9'	18"	46	3:1	8:1
	NEVIS PLUS LISO	14107	8½'	12"	43	4:1	8:1
	NEVIS PLUS LISO	14107	8'	12"	44	4:1	8:1

NVS/NPLS T8 RPF

Lamps & Shielding	Product	Photometric Test #	Ceiling Height	Suspension	Avg FC @ 30"	Max/Min @ 30"	Ceiling Uniformity
(2) T8 RPF	NEVIS	14132	9'	18"	54	3:1	11:1
	NEVIS PLUS LISO	14112	8½'	12"	40	4:1	12:1
	NEVIS PLUS LISO	14112	8'	12"	41	4:1	12:1

RPF

Suspension length is measured from ceiling plane to the bottom of the housing. Reflectance: 80/50/20 Depreciation: T5HO .93, T8 .84, High Light 1.12

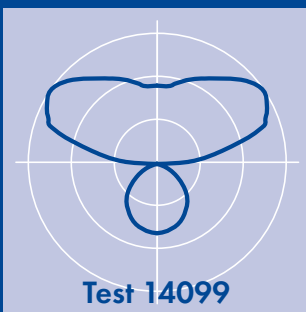
The ceiling uniformities at right demonstrate the difference in performance between standard and Plus Liso optics in an apples-to-apples comparison.

Ceiling Uniformity Comparison

Ceiling Height	Mounting Height	Product	Lamps	Shielding	Photometric Test #	Ceiling Uniformity
8½'	12"	NEVIS PLUS LISO	1 T5HO	WCB	14109	8:1
		NEVIS	1 T5HO	WCB	14129	16:1
		NEVIS PLUS LISO	2 T8	RPF	14112	12:1
		NEVIS PLUS LISO	2 T8	RPF	14132	22:1

The desired close-to-ceiling candela plot is a wide distribution with a low peak and a modest dip at the center forming a low, open "V" shape. The candela plot should appear even with minimal peaks and valleys along the distribution curve. Fluctuations may indicate a trend toward dark striping or bright spots. The low, wide, modest "V" shape indicates the product will trend toward a wide and even throw with a reduction of light at the center (directly above the fixture housing) to produce a perception of even lighting on the ceiling plane.

NPLS - (2) T8 - WCB



- Modest, open "V" shape
- Peaks at 122.5°
- Smooth, gradual descent to center dip
- Facilitates 12' OC placement in large spaces
- Cost effective T8 lamp and ballast technology
- T8 lamp often used as building standard
- High performance

NPLS - (2) T8 - RPF



Nevis Ordering Information

Example: NVS-24-3T5-DPST-CM48-WCB-EPU-MW (for 24' row)

NVS-

<p>Model</p> <p>NVS - Nevis Distinctive Shape Housing</p>	<p>Suspension Length</p> <p>18 - 18" (Std.) 24 - 24" 36 - 36" 48 - 48"</p> <p>Other lengths are available on request.</p>	<p>Voltage</p> <p>120 - 120V 277 - 277V 347 - 347V U - 120V-277V</p>	<p>Housing Finish</p> <p>MW - Matte White (Standard)</p> <p>See MTX-1 for other color selections.</p>	<p>End Caps (two per row)</p> <p>Blank - Flat End Cap (Standard)</p>
<p>Row Length</p> <p>Specify entire row</p>	<p>Mounting Method</p> <p>CM - Adjustable Aircraft Cable Mount (Standard)</p> <p>See HGR-1 for other hanging methods.</p>	<p>Ballast Type</p> <p>E - Electronic, Instant Start (Standard for T8)</p> <p>EP - Electronic, Programmed Start (Standard for T5 & T5HO, optional for T8)</p> <p>ED - Electronic, Dimming, 0-10V Standard</p> <p>ESD - Electronic, Step Dimming (Contact factory)</p> <p>Unless specified, Alera will use fewest ballasts possible.</p>	<p>Fixture Length</p> <p>Single or Row Individual Lengths. Note: Fixtures in rows are modular & will be identified as components within the row by their individual lengths. Lengths for this product are: 4 = 4' 8 = 8' 12 = 12'</p>	<p>Options</p> <p>LR - Left/Right Switching (2-Lamp T8 only)*</p> <p>IBOB - Inboard/Outboard Switching (3-Lamp T8 only)*</p> <p>EL - Emergency Battery Pack (Small case only)</p> <p>GLR - Fast Blow Fuse</p> <p>GMF - Slow Blow Fuse</p> <p>CSA - UL listed or CSA certified for Canada</p> <p>TBAR - T-Bar Mounting</p> <p>DC - Dust Cover (T8 only)</p> <p>DL - Damp Label</p> <p>*Switching configuration must be provided.</p>
<p>Lamp Type & Profile</p> <p>1T8 - One T8 Lamp 2T8 - Two T8 Lamps 3T8 - Three T8 Lamps 1T5 - One T5 Lamp 2T5 - Two T5 Lamps 3T5 - Three T5 Lamps 1T5HO - One T5HO Lamp 2T5HO - Two T5HO Lamps 3T5HO - Three T5HO Lamps</p>	<p>Housing Type</p> <p>Blank - Solid (Standard) PFST - Perforated Strip DPST - Diamond Pattern Perforated Strip HSLT - Horizontal Slot Strip VSLS - Vertical Slot Strip CLD - Custom Laser Cut Design Strip</p>	<p>Shielding</p> <p>WCB - White Cross Baffle RPF - Regressed Perforated FPF - Flat Perforated OA - Opal Acrylic Lens (Regressed only) A12 - Pattern 12 Thick Acrylic Lens (Regressed only)</p>		

Nevis Plus Liso Ordering Information

Example: NPLS-24-2T8-PFST-CM12-WCB-EU-MW (for 24' row)

NPLS-

<p>Model</p> <p>NPLS - Nevis Plus Liso</p>	<p>Adjustable Cable Length</p> <p>12 - 12" (Std.) 18 - 18" 24 - 24"</p> <p>Other lengths are available on request.</p>	<p>Voltage</p> <p>120 - 120V 277 - 277V 347 - 347V U - 120V-277V</p>	<p>Housing Finish</p> <p>MW - Matte White (Standard)</p> <p>See MTX-1 for other color selections.</p>	<p>End Caps (two per row)</p> <p>Blank - Flat End Cap (Standard)</p>
<p>Row Length</p> <p>Specify entire row</p>	<p>Mounting Method</p> <p>CM - Adjustable Aircraft Cable Mount (Standard)</p> <p>See HGR-1 for other hanging methods.</p>	<p>Ballast Type</p> <p>E - Electronic, Instant Start (Standard for T8)</p> <p>EP - Electronic, Programmed Start (Standard for T5 & T5HO, optional for T8)</p> <p>ED - Electronic, Dimming, 0-10V Standard</p> <p>ESD - Electronic, Step Dimming (Contact factory)</p> <p>Unless specified, Alera will use fewest ballasts possible.</p>	<p>Fixture Length</p> <p>Single or Row Individual Lengths. Note: Fixtures in rows are modular & will be identified as components within the row by their individual lengths. Lengths for this product are: 4 = 4' 8 = 8' 12 = 12'</p>	<p>Options</p> <p>LR - Left/Right Switching (2-Lamp T8 only)*</p> <p>EL - Emergency Battery Pack (Small case only)</p> <p>GLR - Fast Blow Fuse</p> <p>GMF - Slow Blow Fuse</p> <p>CSA - UL listed or CSA certified for Canada</p> <p>TBAR - T-Bar Mounting</p> <p>DC - Dust Cover (T8 only)</p> <p>DL - Damp Label</p> <p>*Switching configuration must be provided.</p>
<p>Lamp Type & Profile</p> <p>2T8 - Two T8 Lamps 1T5 - One T5 Lamp 1T5HO - One T5HO Lamp</p>	<p>Housing Type</p> <p>Blank - Solid (Standard) PFST - Perforated Strip DPST - Diamond Pattern Perforated Strip</p>	<p>Shielding</p> <p>WCB - White Cross Baffle RPF - Regressed Perforated FPF - Flat Perforated</p>		

Dimensions and specifications subject to change without notice.

